SCORE Search Results Details for Application 09961086 and Search Result 20090302_142113_us-09-961-086a-1.rapbm.

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This page gives you Search Results detail for the Application 09961086 and Search Result 20090302_142113_us-09-961-086a-1.rapbm.

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GenCore version 6.3

OM protein - protein search, using sw model

Run on: March 3, 2009, 04:24:06 ; Search time 671 Seconds
(without alignments)
989.748 Million cell updates/sec

Title: US-09-961-086A-1
Perfect score: 3352
Sequence: 1 MSSSNVEVFIPVSQGNTNGF.....MIVIFLTIAYLKLLFLKKYS 655

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 4457930 seqs, 1013924948 residues

Total number of hits satisfying chosen parameters: 4457930

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA_Main:*
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2: /ABSS/Data/CRF/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	3352	100.0	655	3	US-09-961-086-1	Sequence 1, Appli
2	3352	100.0	655	4	US-10-405-806-13	Sequence 13, Appl
3	3352	100.0	655	6	US-11-184-860-1	Sequence 1, Appli
4	3352	100.0	655	6	US-11-674-429-13	Sequence 13, Appl
5	3346	99.8	655	3	US-09-981-353-35	Sequence 35, Appl
6	3346	99.8	655	4	US-10-120-687-61	Sequence 61, Appl
7	3346	99.8	655	4	US-10-405-806-2	Sequence 2, Appli
8	3346	99.8	655	5	US-10-874-706-24	Sequence 24, Appl
9	3346	99.8	655	5	US-10-517-310-2	Sequence 2, Appli
10	3346	99.8	655	6	US-11-124-368A-296	Sequence 296, App
11	3346	99.8	655	6	US-11-124-368A-297	Sequence 297, App
12	3346	99.8	655	6	US-11-333-542-6	Sequence 6, Appli
13	3346	99.8	655	6	US-11-371-354-63697	Sequence 63697, A
14	3346	99.8	655	6	US-11-443-428A-811925	Sequence 811925,
15	3346	99.8	655	6	US-11-443-428A-811926	Sequence 811926,
16	3346	99.8	655	6	US-11-443-428A-811927	Sequence 811927,
17	3346	99.8	655	6	US-11-443-428A-811928	Sequence 811928,
18	3346	99.8	655	6	US-11-438-790-61	Sequence 61, Appl
19	3346	99.8	655	6	US-11-674-429-2	Sequence 2, Appli
20	3346	99.8	655	7	US-11-661-353-4	Sequence 4, Appli
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22	3346	99.8	688	6	US-11-443-428A-811930	Sequence 811930,
23	3346	99.8	775	6	US-11-443-428A-811929	Sequence 811929,
24	3342	99.7	655	6	US-11-333-542-8	Sequence 8, Appli
25	3338	99.6	655	3	US-09-866-866A-27	Sequence 27, Appl
26	3331	99.4	655	3	US-09-866-866A-10	Sequence 10, Appl
27	3331	99.4	655	4	US-10-090-455-5	Sequence 5, Appli
28	3331	99.4	655	6	US-11-037-713-31	Sequence 31, Appl
29	3331	99.4	655	6	US-11-333-542-7	Sequence 7, Appli
30	3331	99.4	655	6	US-11-588-744-2	Sequence 2, Appli
31	3225	96.2	655	6	US-11-333-542-2	Sequence 2, Appli
32	3223.5	96.2	654	6	US-11-333-542-5	Sequence 5, Appli
33	3216	95.9	643	5	US-10-692-382-3396	Sequence 3396, Ap
34	3216	95.9	643	5	US-10-692-382-3398	Sequence 3398, Ap
35	3053.5	91.1	604	3	US-09-745-763-197	Sequence 197, App
36	3045	90.8	632	6	US-11-443-428A-811931	Sequence 811931,
37	2927	87.3	623	6	US-11-443-428A-811932	Sequence 811932,
38	2862	85.4	658	6	US-11-427-230-185	Sequence 185, App
39	2757	82.2	657	3	US-09-866-866A-14	Sequence 14, Appl
40	2325	69.4	456	5	US-10-917-503-12962	Sequence 12962, A
41	1730.5	51.6	688	5	US-10-692-382-3393	Sequence 3393, Ap
42	835.5	24.9	1049	4	US-10-369-493-1520	Sequence 1520, Ap
43	835.5	24.9	1049	7	US-11-980-183-1520	Sequence 1520, Ap
44	833	24.9	1095	5	US-10-449-902-41563	Sequence 41563, A
45	821.5	24.5	1078	6	US-11-431-855-20717	Sequence 20717, A

ALIGNMENTS

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RESULT 1
US-09-961-086-1
; Sequence 1, Application US/09961086
; Publication No. US20030036645A1
; GENERAL INFORMATION:
;  APPLICANT: UNIVERSITY OF MARYLAND, BALTIMORE
;  APPLICANT:  ROSS, Douglas D.
;  APPLICANT:  DOYLE, L. Austin
;  APPLICANT:  ABRUZZO, Lynne
;  TITLE OF INVENTION: BREAST CANCER RESISTANCE PROTEIN (BCRP) AND THE DNA
;  TITLE OF INVENTION:  WHICH ENCODES IT
;  FILE REFERENCE: EP19376-019
;  CURRENT APPLICATION NUMBER: US/09/961,086
;  CURRENT FILING DATE:  2001-09-21
;  PRIOR APPLICATION NUMBER: US 60/073,763
;  PRIOR FILING DATE: 1998-02-05
;  PRIOR APPLICATION NUMBER: PCT/US99/02577
;  PRIOR FILING DATE: 1999-02-05
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-961-086-1

  Query Match             100.0%;  Score 3352;  DB 3;  Length 655;
  Best Local Similarity   100.0%;  Pred. No. 6.9e-288;
  Matches  655;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
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Qy         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120
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Qy        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
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Qy        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
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Qy        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
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Db        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360
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Db        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360

Qy        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
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Qy         421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480
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Qy         481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
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RESULT 2
US-10-405-806-13
; Sequence 13, Application US/10405806
; Publication No. US20030232362A1
; GENERAL INFORMATION:
;  APPLICANT: KOMATANI, HIDEYA
;  APPLICANT:  HARA, YOSHIKAZU
;  APPLICANT:  KOTANI, HIDEHITO
;  APPLICANT:  NAKAGAWA, RINAKO
;  TITLE OF INVENTION: DRUG RESISTANT GENE AND USE THEREOF
;  FILE REFERENCE: 234985US0CONT
;  CURRENT APPLICATION NUMBER: US/10/405,806
;  CURRENT FILING DATE:  2003-04-03
;  PRIOR APPLICATION NUMBER: PCT/JP01/08112
;  PRIOR FILING DATE: 2001-09-18
;  PRIOR APPLICATION NUMBER: JP2000-303441
;  PRIOR FILING DATE: 2000-10-03
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: ABCG2 482Tmutant sequence
US-10-405-806-13

  Query Match             100.0%;  Score 3352;  DB 4;  Length 655;
  Best Local Similarity   100.0%;  Pred. No. 6.9e-288;
  Matches  655;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy         121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy         241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
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RESULT 3
US-11-184-860-1
; Sequence 1, Application US/11184860
; Publication No. US20050272684A1
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY OF MARYLAND, BALTIMORE
; APPLICANT: ROSS, Douglas D.
; APPLICANT: DOYLE, L. Austin
; APPLICANT: ABRUZZO, Lynne
; TITLE OF INVENTION: BREAST CANCER RESISTANCE PROTEIN (BCRP) AND THE DNA
; TITLE OF INVENTION: WHICH ENCODES IT
; FILE REFERENCE: EP19376-019
; CURRENT APPLICATION NUMBER: US/11/184,860
; CURRENT FILING DATE: 2005-07-20

; PRIOR APPLICATION NUMBER: US/09/961,086
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: US 60/073,763
; PRIOR FILING DATE: 1998-02-05
; PRIOR APPLICATION NUMBER: PCT/US99/02577
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-184-860-1

  Query Match 100.0%; Score 3352; DB 6; Length 655;
  Best Local Similarity 100.0%; Pred. No. 6.9e-288;
  Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
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Qy        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
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Db        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360
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Qy        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
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RESULT 4
US-11-674-429-13
; Sequence 13, Application US/11674429
; Publication No. US20070141619A1
; GENERAL INFORMATION:
;  APPLICANT: KOMATANI, HIDEYA
;  APPLICANT:  HARA, YOSHIKAZU
;  APPLICANT:  KOTANI, HIDEHITO
;  APPLICANT:  NAKAGAWA, RINAKO
;  TITLE OF INVENTION: DRUG RESISTANT GENE AND USE THEREOF
;  FILE REFERENCE: 234985US0CONT
;  CURRENT APPLICATION NUMBER: US/11/674,429
;  CURRENT FILING DATE:  2007-02-13
;  PRIOR APPLICATION NUMBER: US/10/405,806
;  PRIOR FILING DATE: 2003-04-03
;  PRIOR APPLICATION NUMBER: PCT/JP01/08112
;  PRIOR FILING DATE: 2001-09-18
;  PRIOR APPLICATION NUMBER: JP2000-303441
;  PRIOR FILING DATE: 2000-10-03
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: ABCG2 482Tmutant sequence
US-11-674-429-13

  Query Match             100.0%;  Score 3352;  DB 6;  Length 655;
  Best Local Similarity   100.0%;  Pred. No. 6.9e-288;
  Matches  655;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy         121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
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Qy         181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
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Qy        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360

Qy        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420

Qy        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480

Qy        481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600

Qy        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655


RESULT 5
US-09-981-353-35
; Sequence 35, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
;  APPLICANT: Lasek, Amy W.
;  APPLICANT:  Jones, David A.
;  TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
;  FILE REFERENCE: PA-0038 US
;  CURRENT APPLICATION NUMBER: US/09/981,353
;  CURRENT FILING DATE:  2001-10-11
;  NUMBER OF SEQ ID NOS: 194
;  SOFTWARE: PERL Program
; SEQ ID NO 35
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No. US20020160382A1 5517972CD1
US-09-981-353-35

  Query Match             99.8%;  Score 3346;  DB 3;  Length 655;
  Best Local Similarity   99.8%;  Pred. No. 2.3e-287;
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  Matches  654;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240

Qy        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360

Qy        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420

Qy        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480

Qy        481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
              | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600

Qy        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655


RESULT 6
US-10-120-687-61
; Sequence 61, Application US/10120687
; Publication No. US20030082155A1
; GENERAL INFORMATION:
;  APPLICANT: Massachusetts General Hospital
;  TITLE OF INVENTION: Stem Cells of the Islets of Langerhans and Their Use in Treating
Diabetes
```

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;  TITLE OF INVENTION:  Mellitus
;  FILE REFERENCE: 3284/1235B
;  CURRENT APPLICATION NUMBER: US/10/120,687
;  CURRENT FILING DATE:  2002-04-11
;  PRIOR APPLICATION NUMBER: US60/169082
;  PRIOR FILING DATE: 1999-12-06
;  PRIOR APPLICATION NUMBER: US 09/963,875
;  PRIOR FILING DATE: 2001-09-25
;  PRIOR APPLICATION NUMBER: US 60/215109
;  PRIOR FILING DATE: 2000-06-28
;  PRIOR APPLICATION NUMBER: US 60/238880
;  PRIOR FILING DATE: 2000-10-06
;  PRIOR APPLICATION NUMBER: US 09/731261
;  PRIOR FILING DATE: 2000-12-06
;  NUMBER OF SEQ ID NOS: 61
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 61
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-120-687-61

  Query Match             99.8%;  Score 3346;  DB 4;  Length 655;
  Best Local Similarity   99.8%;  Pred. No. 2.3e-287;
  Matches  654;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240

Qy        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360

Qy        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420

Qy        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480
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                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480

Qy         481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
                | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         481 MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy         541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600

Qy         601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655


RESULT 7
US-10-405-806-2
; Sequence 2, Application US/10405806
; Publication No. US20030232362A1
; GENERAL INFORMATION:
;  APPLICANT: KOMATANI, HIDEYA
;  APPLICANT:  HARA, YOSHIKAZU
;  APPLICANT:  KOTANI, HIDEHITO
;  APPLICANT:  NAKAGAWA, RINAKO
;  TITLE OF INVENTION: DRUG RESISTANT GENE AND USE THEREOF
;  FILE REFERENCE: 234985US0CONT
;  CURRENT APPLICATION NUMBER: US/10/405,806
;  CURRENT FILING DATE:  2003-04-03
;  PRIOR APPLICATION NUMBER: PCT/JP01/08112
;  PRIOR FILING DATE: 2001-09-18
;  PRIOR APPLICATION NUMBER: JP2000-303441
;  PRIOR FILING DATE: 2000-10-03
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-405-806-2

  Query Match             99.8%;  Score 3346;  DB 4;  Length 655;
  Best Local Similarity   99.8%;  Pred. No. 2.3e-287;
  Matches  654;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy           1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db           1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy          61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy         121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240

Qy        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360

Qy        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420

Qy        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480

Qy        481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
              | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600

Qy        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655


RESULT 8
US-10-874-706-24
; Sequence 24, Application US/10874706
; Publication No. US20050048610A1
; GENERAL INFORMATION:
;  APPLICANT: INCYTE GENOMICS, INC.
;  APPLICANT:  LAL, Preeti
;  APPLICANT:  YANG, Junming
;  APPLICANT:  YUE, Henry
;  APPLICANT:  HILLMAN, Jennifer L.
;  APPLICANT:  TANG, Y. Tom
;  APPLICANT:  BANDMAN, Olga
;  APPLICANT:  BURFORD, Neil
;  APPLICANT:  BAUGHN, Mariah R.
;  APPLICANT:  AZIMZAI, Yalda
;  APPLICANT:  LU, Dyung Aina M.
;  APPLICANT:  AU-YOUNG, Janice
;  APPLICANT:  PATTERSON, Chandra
;  TITLE OF INVENTION: HUMAN TRANSPORT PROTEINS
;  FILE REFERENCE: PF-0709 PCT
```

; CURRENT APPLICATION NUMBER: US/10/874,706
; CURRENT FILING DATE: 2004-06-24
; PRIOR APPLICATION NUMBER: US/10/009,328
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/139,923; 60/148,177; 60/149,357; 60/162,287
; PRIOR FILING DATE: 1999-06-17; 1999-08-10; 1999-08-18; 1999-10-28
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: PERL Program
; SEQ ID NO 24
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Incyte ID No: 5517972CD1
US-10-874-706-24

  Query Match   99.8%; Score 3346; DB 5; Length 655;
  Best Local Similarity   99.8%; Pred. No. 2.3e-287;
  Matches 654; Conservative   0; Mismatches   1; Indels   0; Gaps   0;

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Qy          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240

Qy        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360

Qy        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420

Qy        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480

Qy        481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
              | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db        481 MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600

Qy        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655


RESULT 9
US-10-517-310-2
; Sequence 2, Application US/10517310
; Publication No. US20060057579A1
; GENERAL INFORMATION:
;  APPLICANT: KOTANI, HIDEHITO
;  APPLICANT:  MIZUARAI, SHINJI
;  TITLE OF INVENTION: METHOD FOR PREDICTING A DRUG TRANSPORT CAPABILITY BY ABCG2
;  TITLE OF INVENTION:  POLYMORPHISMS
;  FILE REFERENCE: 262507US0PCT
;  CURRENT APPLICATION NUMBER: US/10/517,310
;  CURRENT FILING DATE:  2004-12-17
;  PRIOR APPLICATION NUMBER: PCT/JP03/07534
;  PRIOR FILING DATE: 2003-06-13
;  PRIOR APPLICATION NUMBER: JP 2002-175806
;  PRIOR FILING DATE: 2002-06-17
;  NUMBER OF SEQ ID NOS: 68
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-517-310-2

  Query Match             99.8%;  Score 3346;  DB 5;  Length 655;
  Best Local Similarity   99.8%;  Pred. No. 2.3e-287;
  Matches  654;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
```

```
Qy        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360

Qy        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420

Qy        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480

Qy        481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
              | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600

Qy        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
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RESULT 10
US-11-124-368A-296
; Sequence 296, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 296
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-124-368A-296

  Query Match   99.8%; Score 3346; DB 6; Length 655;

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  Best Local Similarity   99.8%;  Pred. No. 2.3e-287;
  Matches  654;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240

Qy        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360

Qy        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420

Qy        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480

Qy        481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
              | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600

Qy        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655


RESULT 11
US-11-124-368A-297
; Sequence 297, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
;  APPLICANT: Michele Cargill
;  APPLICANT:  James J. Devlin
```

```
;  APPLICANT:  May Luke
;  TITLE OF INVENTION: Genetic Polymorphisms Associated with
;  TITLE OF INVENTION:  Vascular Diseases, Methods of Detection and Uses Thereof
;  FILE REFERENCE: CL001524
;  CURRENT APPLICATION NUMBER: US/11/124,368A
;  CURRENT FILING DATE:  2005-05-09
;  PRIOR APPLICATION NUMBER: US 60/568,845
;  PRIOR FILING DATE: 2004-05-07
;  PRIOR APPLICATION NUMBER: US 60/625,936
;  PRIOR FILING DATE: 2004-11-09
;  NUMBER OF SEQ ID NOS: 21112
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 297
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-124-368A-297

  Query Match             99.8%;  Score 3346;  DB 6;  Length 655;
  Best Local Similarity   99.8%;  Pred. No. 2.3e-287;
  Matches  654;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240

Qy        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360

Qy        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420

Qy        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480

Qy        481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
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              | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         481 MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy         541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600

Qy         601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
               |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655


RESULT 12
US-11-333-542-6
; Sequence 6, Application US/11333542
; Publication No. US20060160139A1
; GENERAL INFORMATION:
;  APPLICANT: TAKEBE, NAOKO
;  TITLE OF INVENTION: RHESUS BCRP AND ANTIBODIES THERETO
;  FILE REFERENCE: UNIMD-0016
;  CURRENT APPLICATION NUMBER: US/11/333,542
;  CURRENT FILING DATE:  2006-01-18
;  PRIOR APPLICATION NUMBER: 60/644,706
;  PRIOR FILING DATE: 2005-01-18
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 6
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-333-542-6

  Query Match             99.8%;  Score 3346;  DB 6;  Length 655;
  Best Local Similarity   99.8%;  Pred. No. 2.3e-287;
  Matches  654;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy           1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db           1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy          61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy         121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy         181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240

Qy         241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
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Qy         301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360

Qy         361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420

Qy         421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480

Qy         481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
               | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         481 MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy         541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600

Qy         601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
               |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
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RESULT 13
US-11-371-354-63697
; Sequence 63697, Application US/11371354
; Publication No. US20060275794A1
; GENERAL INFORMATION:
;  APPLICANT: CARRINO, JOHN
;  APPLICANT:  LIANG, FENG
;  TITLE OF INVENTION: COLLECTIONS OF MATCHED BIOLOGICAL REAGENTS AND METHODS FOR
;  TITLE OF INVENTION:  IDENTIFYING MATCHED REAGENTS
;  FILE REFERENCE: INV-1005-UT2
;  CURRENT APPLICATION NUMBER: US/11/371,354
;  CURRENT FILING DATE:  2006-03-07
;  PRIOR APPLICATION NUMBER: 60/673,045
;  PRIOR FILING DATE: 2005-04-19
;  PRIOR APPLICATION NUMBER: 60/665,199
;  PRIOR FILING DATE: 2005-03-25
;  PRIOR APPLICATION NUMBER: 60/665,200
;  PRIOR FILING DATE: 2005-03-25
;  PRIOR APPLICATION NUMBER: 60/659,493
;  PRIOR FILING DATE: 2005-03-07
;  PRIOR APPLICATION NUMBER: 60/659,492
;  PRIOR FILING DATE: 2005-03-07
;  PRIOR APPLICATION NUMBER: 60/953,586
;  PRIOR FILING DATE: 2005-02-15
;  PRIOR APPLICATION NUMBER: 60/651,390
;  PRIOR FILING DATE: 2005-02-08
;  NUMBER OF SEQ ID NOS: 78682
;  SOFTWARE: PatentIn version 3.3
; SEQ ID NO 63697
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; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-371-354-63697

  Query Match 99.8%; Score 3346; DB 6; Length 655;
  Best Local Similarity 99.8%; Pred. No. 2.3e-287;
  Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60

Qy         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KEILSNINGIMKPGLNAILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRPANFKCN 120

Qy        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 SGYVVQDDVVMGTLTVRENLQFSAALRLATTMTNHEKNERINRVIQELGLDKVADSKVGT 180

Qy        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 QFIRGVSGGERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLLKRMSKQGRTIIF 240

Qy        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 SIHQPRYSIFKLFDSLTLLASGRLMFHGPAQEALGYFESAGYHCEAYNNPADFFLDIING 300

Qy        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 DSTAVALNREEDFKATEIIEPSKQDKPLIEKLAEIYVNSSFYKETKAELHQLSGGEKKKK 360

Qy        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 ITVFKEISYTTSFCHQLRWVSKRSFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDS 420

Qy        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 TGIQNRAGVLFFLTTNQCFSSVSAVELFVVEKKLFIHEYISGYYRVSSYFLGKLLSDLLP 480

Qy        481 MTMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540
              | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        481 MRMLPSIIFTCIVYFMLGLKPKADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVATLL 540

Qy        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        541 MTICFVFMMIFSGLLVNLTTIASWLSWLQYFSIPRYGFTALQHNEFLGQNFCPGLNATGN 600

Qy        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        601 NPCNYATCTGEEYLVKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLLFLKKYS 655
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RESULT 14

US-11-443-428A-811925
; Sequence 811925, Application US/11443428A
; Publication No. US20070083334A1
; GENERAL INFORMATION:
; APPLICANT: Mintz, Liat
; APPLICANT: Xie, Hanqing
; APPLICANT: Dahari, Dvir
; APPLICANT: Levanon, Erez
; APPLICANT: Freilich, Shiri
; APPLICANT: Beck, Nili
; APPLICANT: Zhu, Wei-Yong
; APPLICANT: Wasserman, Alon
; APPLICANT: Hermesh, Chen
; APPLICANT: Azar, Idit
; APPLICANT: Bernstein, Jeanne
; TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
; FILE REFERENCE: 02/23929
; CURRENT APPLICATION NUMBER: US/11/443,428A
; CURRENT FILING DATE: 2006-05-31
; NUMBER OF SEQ ID NOS: 1034312
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 811925
;   LENGTH: 655
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-443-428A-811925

  Query Match   99.8%; Score 3346; DB 6; Length 655;
  Best Local Similarity   99.8%; Pred. No. 2.3e-287;
  Matches 654; Conservative   0; Mismatches   1; Indels   0; Gaps   0;

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RESULT 15
US-11-443-428A-811926
; Sequence 811926, Application US/11443428A
; Publication No. US20070083334A1
; GENERAL INFORMATION:
;  APPLICANT: Mintz, Liat
;  APPLICANT:  Xie, Hanqing
;  APPLICANT:  Dahari, Dvir
;  APPLICANT:  Levanon, Erez
;  APPLICANT:  Freilich, Shiri
;  APPLICANT:  Beck, Nili
;  APPLICANT:  Zhu, Wei-Yong
;  APPLICANT:  Wasserman, Alon
;  APPLICANT:  Hermesh, Chen
;  APPLICANT:  Azar, Idit
;  APPLICANT:  Bernstein, Jeanne
;  TITLE OF INVENTION: METHODS AND SYSTEMS USEFUL FOR ANNOTATING BIOMOLECULAR SEQUENCES
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;  SOFTWARE: PatentIn version 3.1
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  Best Local Similarity   99.8%;  Pred. No. 2.3e-287;
  Matches  654;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVLSFHNICYRVKLKSGFLPCRKPVE 60
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